GitLab CI/CD Android
Build Android apk with GitLab CI/CD Send Telegram File

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The main thing about Continuous Integration is merging Features without breaking your solution

Steps
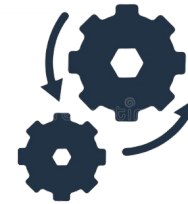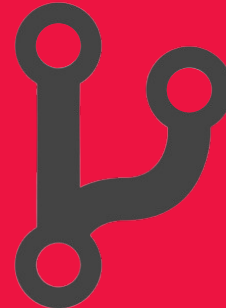
Code

Test

Merge

Build

Deploy

No way to merge without testing

What are some of the benefit of CI/CD Strategy ?

Increased speed of innovation and ability to compete in the marketplace

Great ability to attract and retain talent

Code in production is making money instead of sitting in a queue waiting to be deployed

Higher quality code and operations due to specialization

What a benefit Build Android apk send Telegram file use GitLab CI/CD ?

For QA, you don't need to request the latest file to Android

For clients or members who are not related to the developer process can just send from PM / PO to the client / non-member

In the telegram group there can be a history file

.gitlab-ci.yml

```
stages:
  - check
  - build
  - deploy
  - cleanup_build
```

.gitlab-ci.yml

```yaml
check:
  stage: check
  script:
    - ./gradlew check
```

.gitlab-ci.yml

```
script:
  - export BUILD_NUMBER=$CI_JOB_ID
  - mv ./app/ci-build.gradle ./app/build.gradle || true
  - ./gradlew -g /cache/.gradle clean assembleDevDebug --parallel --stacktrace
--no-daemon -x lint --warning-mode all
  - cd app/build/outputs/apk/dev/debug/
  - export FILENAME=$(ls)
  - curl --data chat_id=$TELEGRAM_GROUP_ID --data-urlencode text="[Android CI]
Build from $CI_COMMIT_REF_NAME branch Done | ${CI_COMMIT_SHA:0:8} -
$CI_COMMIT_TITLE | Halo guys, APK terbaru sudah bisa dicoba, silahkan dicoba
semuanya :)" https://api.telegram.org/${TELEGRAM_TOKEN}/sendMessage
  - curl -F chat_id=${TELEGRAM_GROUP_ID} -F document=@${FILENAME}
https://api.telegram.org/${TELEGRAM_TOKEN}/sendDocument
```

.gitlab-ci.yml

```yaml
artifacts:
    expire_in: 2 days
    paths:
        - app/build/outputs/apk/dev/debug/*.apk
        - app/build/intermediates/manifests/full/dev/debug/*.xml
  only:
  - develop
cache:
  key: "$CI_JOB_STAGE-$CI_COMMIT_REF_SLUG"
  paths:
    - .gradle/wrapper
    - .gradle/caches
```
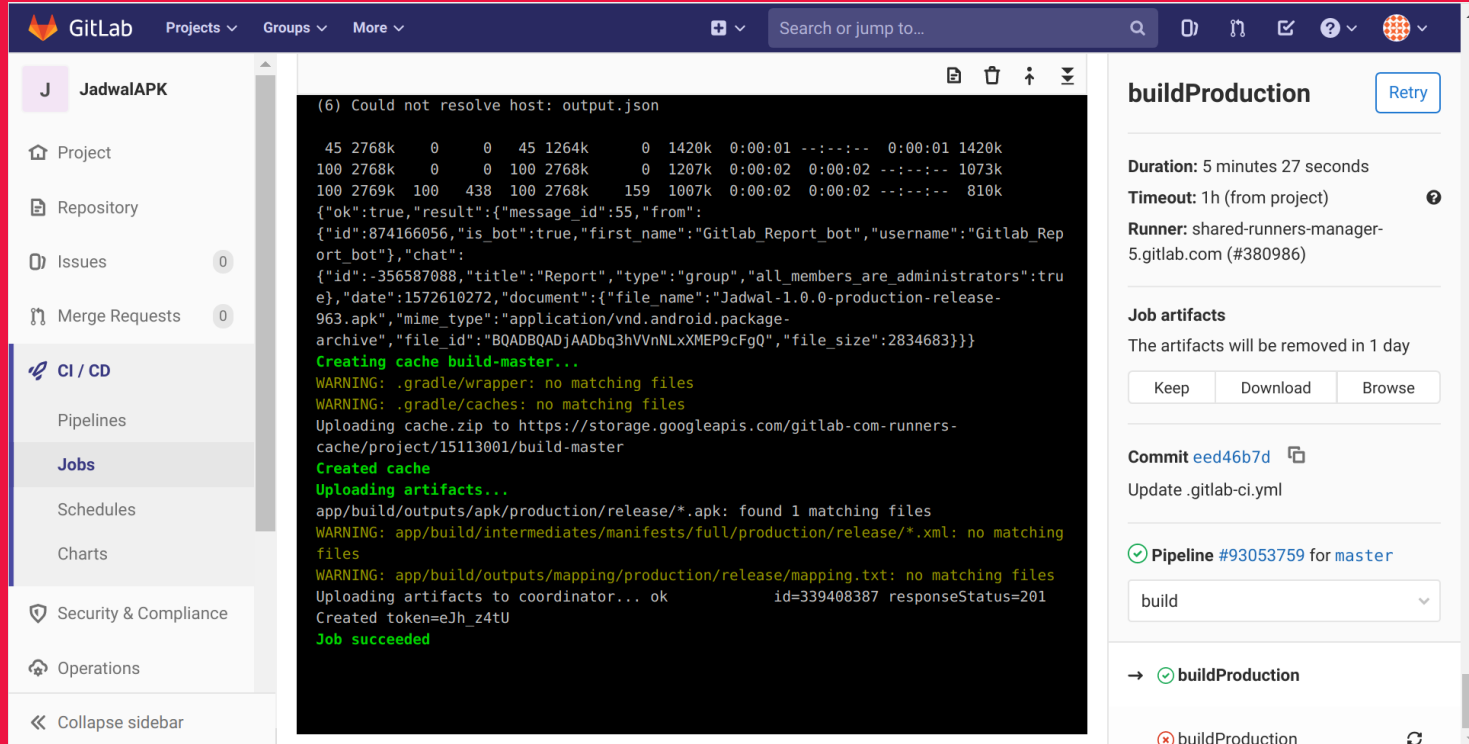
.gitlab-ci.yml

```yaml
build_job_error:
  stage: cleanup_build
  script:
    - 'echo "Cleaning Up All Cache"'
    - 'echo "$CI_PROJECT_NAME" "$CI_PROJECT_NAMESPACE"'
#    - ls -a /cache/${CI_PROJECT_NAMESPACE}/${CI_PROJECT_NAME}
#    - rm -rf /cache/${CI_PROJECT_NAMESPACE}/${CI_PROJECT_NAME}/*
    - curl --data chat_id=$TELEGRAM_GROUP_ID --data-urlencode text="[Android CI]
Build from $CI_COMMIT_REF_NAME branch Failed, cek pipelines :( | $
{CI_COMMIT_SHA:0:8} - $CI_COMMIT_TITLE" https://api.telegram.org/$
{TELEGRAM_TOKEN}/sendMessage
  when: on_failure
```

.gitlab-ci.yml

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{TELEGRAM_TOKEN}/sendMessage
  when: on_failure
```

Result

GitLab Projects Groups More Search or jump to...

J JadwalAPK

Project

Repository

Issues 0

Merge Requests 0

CI / CD

Pipelines

Jobs

Schedules

Charts

Security & Compliance

Operations

Collapse sidebar

(6) Could not resolve host: output.json

 45 2768k   0   0   45 1264k   0 1420k 0:00:01 --:--:-- 0:00:01 1420k
100 2768k   0   0 100 2768k   0 1207k 0:00:02 0:00:02 --:--:-- 1073k
100 2769k 100   438 100 2768k   159 1007k 0:00:02 0:00:02 --:--:-- 810k
{"ok":true,"result":{"message_id":55,"from":
{"id":874166056,"is_bot":true,"first_name":"Gitlab_Report_bot","username":"Gitlab_Rep
ort_bot"},"chat":
{"id":-356587088,"title":"Report","type":"group","all_members_are_administrators":tru
e},"date":1572610272,"document":{"file_name":"Jadwal-1.0.0-production-release-
963.apk","mime_type":"application/vnd.android.package-
archive","file_id":"BQADBQADjAADbq3hVVnNLxXMEP9cFgQ","file_size":2834683}}}
Creating cache build-master...
WARNING: .gradle/wrapper: no matching files
WARNING: .gradle/caches: no matching files
Uploading cache.zip to https://storage.googleapis.com/gitlab-com-runners-
cache/project/15113001/build-master
Created cache
Uploading artifacts...
app/build/outputs/apk/production/release/*.apk: found 1 matching files
WARNING: app/build/intermediates/manifests/full/production/release/*.xml: no matching
files
WARNING: app/build/outputs/mapping/production/release/mapping.txt: no matching files
Uploading artifacts to coordinator... ok   id=339408387 responseStatus=201
Created token=eJh_z4tU
Job succeeded

buildProduction

Retry

Duration: 5 minutes 27 seconds

Timeout: 1h (from project)

Runner: shared-runners-manager-5.gitlab.com (#380986)

Job artifacts

The artifacts will be removed in 1 day

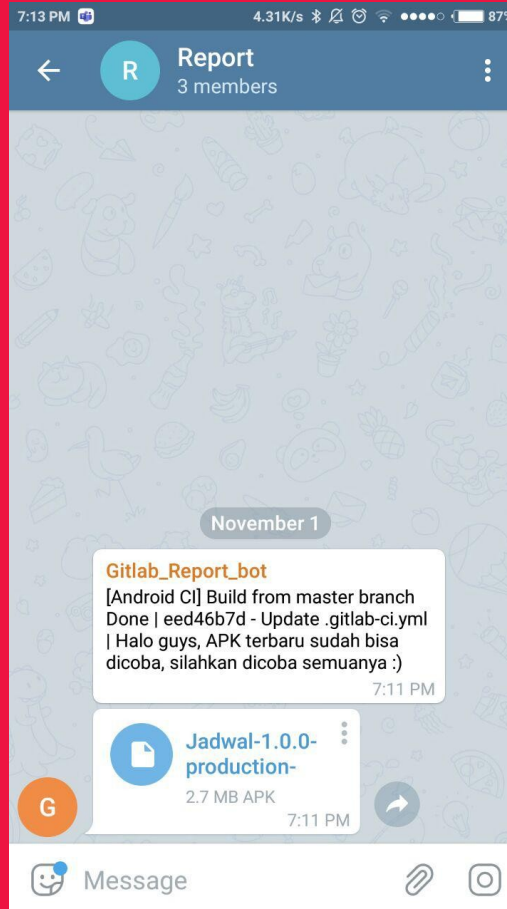Keep Download Browse

Commit eed46b7d

Update .gitlab-ci.yml

Pipeline #93053759 for master

build

→ ✓ buildProduction

⊗ buildProduction

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Result

Thank you!